What You Should Know About Your Auto; How

Expert Advice How to Keep Automobiles Running Smoothly and the Best Way to Remedy Machine Trouble—Traffic Suggestions and Pleasure Routes for Evening World Readers.

Bu GEORGE H. ROBERTSON.

DIANS are now being perfected to tabulate chauffeurs and taxi drivers throughout the city to meet any emergency that may arise requiring the transportation by motor of large bodies of troops. Thousands

of motor cars now in active use

army of several hundreds of thous-

started to enroll chauffeurs in a re-

of showing their skill.

Automobile Editori

Auremobile Editor:

Auromsbile Either:



POBERTSON

Paris was saved by chauffeurs who, in the night, drove 90,000 soldiers from the city to the Marne, where the German invaders were routed. Presse advise me is it good practice time and experience?

advance the spark as far as pos-L STRAUSS.

Yes: keep that spark at all times advanced as far as possible. As long se no "knock" is heard you are absolutely safe in keeping it advanced. It does run more quietly and with more power and uses less gasoline with less tendency to heat. The mechanic is wrong. As a matter of fact, with the spark carried constantly at the proper point of advance there is much less tendency to cause carbonization.

I understand the Marion car is no I understand the Marion car is no longer built. Can you tell me what shead. On fourth speed f can't even happened to the company that built go on a level. Can you give me some them? Was it absorbed by another information?

V. HOFFMAN. or bankrupt? What did a 1913 or

or bankrupt? What did a 1912 or 1914 Marion roadster sell for?

D. J. FARRELL.

The last model—1915—was built in 1914-15. I believe the company failed and was bought up by the present company. The 1913 model 38 A sold what the gearing is on the fourth speed? company. The 1913 model 38 A sold for \$1,425. The 1914 model B sold for \$1,650. The model C, six cylinder, sold for \$2,150. The care are now built by the Mutual Motors Corporation of Jackson, Mich., and are known as the Marion-Handley.

Automobile Editor: After trying several new plugs for pay a transfer fee? JOHN SWIFT.

mame cylinder I find that the spark is lean and weak, whereas the other three plurs emit a strong spark. Please let me know the cause and what to do.

MAX MANF.

You will probably find a break causing a leakage on the wire leading from the ignition distributor to the plug in question. Examine the insulation of this wire and install a new one if necessary.

EDUCATIONAL, INSTRUCTION, AC

STEWART AUTO SCHOOL

The Stewart System of auto-mobile instruction in sures your ear against depreciation We teach you a thorough knowledge of your car which en-ables you to decrease expenses COMPLETE COURSE \$65. FOR LADIES AND GENTLEMEN Write for Cutaing "E. W." 225 W. 57th St. at B'way TEL. 4541 COLUMBIA.

ROBERTSON IS RIG'IT George II. Hobertson, the world's Day and Evening Classes; also private instruction at hours to suit convenience. SPECIAL CLASSES FOR LADIES.

Call or write for bookist. ATKINSON AUTO SCHOOL 235 West 50th St. (Bear Broadway). Phone 5771 Circle.

Evening World Home Garden League

To Drive and Keep It How to Protect Your Garden Plants From Insect Enemies and Disease

By F. F. Rockwell

Consulting Agriculturist Mr. Rockwell's expert gardening instructions are published every Saturday in The Evening World. Beginning next Saturday they will be accompanied by the "Questions and Answers" column, previously printed Tuesdays, through which Mr. Rockwell will in New York could transport an reply to readers' requests for special gardening information.

ands. A move has already been Copyright 1917, by The Prem Publishing Co. (The New York Evening World.) Even after the gardener has ferserve regiments, and chauffeurs and tilized, raked, planted and cultivated many taxi drivers, who perhaps you his plants with diligence and intellispeeding meters, have responded to gence there remains another source of danger which may cause him the triotism. At one meeting alone over loss of the fruits of all his labor. The the call with a fine degree of pathree hundred enrolled. When the likely to attack your garden plants various insect pests and diseases must be met and successfully fought ments by automobiles and then the before you may be sure of being able to harvest your crops, even though chauffeurs will have an opportunity they are now half grown.

To be forewarned is to be forearmed. Some of the insects in your garden may gradually develop an "army of occupation" from a few mature specimens which apparently do Vou can buy the proper material, made up especially for the Ford, in a no damage. Others may come overa fair rate of speed. The motor seems number of automobile supply stores. I am afraid the combination of "limits or un quieter with more power. An surfer mechanic told me that advanced and experience" will prevent are caught unprepared, they will have spark carbonizes the cylinders; is job. only safe measure is to be prepared. One year ago I bought a four-cyl-

inder Sulton with Bosch magneto. She proved very unsatisfactory. I thought come to realize that the best way to it was the ignition, so had it changed cure a disease is to prevent its getto Hosch jump spark. The car still ran the same. I then had the carbureter repaired, but no change. Gas consumption very large. Had the motor down, tightened bearings, and new wrist-pins. Compression is good and exhaust valve starts to open just and the things that can be done to stop their rayages. I want to give a few and exhaust valve starts to open just about when the piston is one inch from the bottom on explosion stroke. Intake opens just as the piston starts to go down. Magneto is 'imed correctly. She will go fast only in second speed, although she has four speeds ahead. On fourth speed I can't even go on a lovel. Can you give me speed.

plants do not seem to make as rapid growth as they should, and are receiving good care, fertilizer and liquid manure may be used along the rows, preceding a regular heeing and cultivating. Even if you have not had evelopment made by other veges tables in neighboring gardens whether yours are growing as well as they should or not. The general appearance of the plant is a presty fair guide. If it is deep green, even in color and senerally thrifty looking, it is getting nourishment enough. If it is getting nourishment enough, if the chances are that there is not a grows slowly but seems to have no particular thing the matter with it, the chances are that there is not enough nitrogen available to permit normal growth. For overcoming this difficulty nitrate of sock is the best changed in the plant of along the row and the effect will be visible in about four days if the trouble has been lack of nitrogen.

CLEAN CULTURE at all times is another essential of a healthy garden. 1. What is the best route from New York City to Brattleboro, Vt. 7 2.
How long do you thing it will take to get there in a Ford 7 3. If I leave my car in Vermont will I have to get a new license or can I simply have my New York license transferred and pay a transfer feet. JOHN SWIFT

same let me know the cause and sat to do.

MAX MANF.
You will prebably find a break ausing a leakage on the wire leading rom the ignition distributor to the plug in question. Examine the insulation of this wire and install a new one if necessary.

Automobile Editor:

Will you please answer the following questions: How long ta a New York, in guestions: How long ta a New York if eness good in New Jersey?

Could I leave the State (New Jersey) at the expiration of this period and return and have the time counted from the date of the last return? How do the authorities know how long you have been in the State on the other from the State on the other from the date of the last return? How do the authorities know how long you have been in the State on the other.

Many May I is will be received to water and the rough date of the last return? How do the authorities know how long you have been in the State on the other from the date of the last return? How do the authorities know how long you have been in the State on the other from the date of the last return? How do the authorities know how long you have been in the State on the other from the State on the other from Jamaica.

I cannet give you a reuts from East New York, and while large which it is possible to get the beginning gardeners to do like authorities know how long you have been in the State on the other from the State on the other from Jamaica.

Many Insects and disease. One of the most biddle of the last return? How do the authorities know how long you have been in the State on the other from the State on the state do the authorities know how long you have been in the State on the other freeport, Merrick. Fourteen miss from Jamaica.

Automobile Editor:

As an expert will you please give me your opinion as to where is the best school to study the automobile Editor:

Sae advertising columns of this state of the best route from this see advertising columns of this state of the best route from the from the from the state of the products but weakened plants and works estill, ideal conditions for giving the products but weakened plants and the work entire the many insects, especially all of the aphids or plant lice, an opportunity to gain a foothold and begin to spread the products but weakened plants and the products but weakened plants and the spread to study the automobile supply at the conditions for giving the products but weakened plants and the spread to study the automobile supply at the conditions for giving the products but weakened plants and the spread to study the automobile supply at the many insects, especially all of the aphids or plant lice, an opportunity to gain a foothold and begin to spread the products of the plant they foliately all of the plant they foliately and the products of the plant they foliately all of the products of the plant they foliately all of the products of the plant they apply the products of the plant they apply the products of the plant they apply the products of the plant they foliately all of the products of the plant they apply the products of the plant of the products of the plant they foliately all of the products of the plant they foliately all of the products of the plant they foliately all of the products of the plant they foliately all of the products of the plant of the prod

Automobile Editor:

Automobile Editor:

What is the best route from this city to Callocon, N. Y., by automobile?

I have a 1916 Ford which has been run a great deal in the winter and much of the enamel has come off. it must be sainted, and if I do it myself what would you advise in regard to cleaning and kind of enamel or paint and varnish to use. Can I make a satisfactory job of it with limited white Sulphur Springs. Jefferson, Liberty, is much more important. There are, in general, four different types and, in nine cases of out of ten, at few wills, and that it much more important. There are, in general, four different types and, in nine cases of out of ten, at few wills, and that it much more important. There are, in general, four different types and, in nine cases of out of ten, at few wills, and that it much more important. There are, in general, four different types and, in nine cases of out of ten, at few wills, and that it much more important. There are, in general, four different types and, in nine cases of out of ten, at few wills, and that it much more important. There are, in general, four different types and, in nine cases of out of ten, at few wills, and that it much more important. White Sulphur Springs, Jeffersonville, Calicoon. 134.6 miles.

Automobile Billor:

Will you kindly publish the best

Will you kindly publish the best Will you kindly publish the best route to Cranford. N. J. from down town New York and oblige a reader?

Any of the downtown ferries to Jersey City, then to Boulevard, Newark, Elizabeth, Roselle, Cranford. Distance, about 15.4 miles.

Amounted Edison.

Automobile Editor:

Will you kindly tell me the charge for a Dodge car and two people on the following ferries: Dyckman Street, Fort Lee, St. George, St. George, St. George, and Thirty-ninth Street, Brooklyn: Nyack and Tarrytown, and Sea Cliff and Rye.

Dyckman, 45 cents: St. George, 25 tents: St. George and Thirty-nicth Street, 65 cents: Nyack, 66 cents: St. George and Thirty-nicth Street, 65 cents: Nyack, 66 cents: St. George and Thirty-nicth Street, 67 cents: St. George and Thirty-nicth Street, 68 cents: Nyack, 66 cents: St. George and Thirty-nicth Street, 69 cents: Nyack, 66 cents: St. George and Thirty-nicth Street, 69 cents: Nyack, 66 cents: St. George and Thirty-nicth Street, 69 cents: Nyack, 66 cents: St. George and Thirty-nicth Street, 69 cents: Nyack, 66 cents: St. George and Thirty-nicth Street, 69 cents: Nyack, 66 cents: St. George and Thirty-nicth Street, 69 cents: Nyack, 66 cents: St. George and Thirty-nicth Street, 69 cents: Nyack, 66 cents: St. George and Thirty-nicth Street, 69 cents: Nyack, 66 Dunwoodle Women Victorions. tives of the sucking class; the small With the Dunwoodle women playing onlon and cabbage marget and the the four their game, the Siwanov parts white grab are examples of the Theory Concession golfers never had a chance in a team that which attack the roots; while whom it was not being 7 points to 0. In another centest borers is one of the fourth class of being 7 points to 0. In another centest borers.

being 7 points to 0. In another centest at Fairview the home quartet barely defeated Apawamis, 6 to 5.

Mrs. Jackson Wins in Hub.

BOSTON, May 26.—Mrs. H. A. Jackson of the Oakley Country Club, former national woman's golf champion, wen the Boston Women's golf champion with the Boston Women's golf courinament, defeating Miss Edith Stephens of the Country Club, 5 up, 4 to pay.

borors.

PLANT DISEASES ARE HARD TO Margaret M

THE PLANT PESTS IN YOUR GARDEN How to Identify and Control Them

CLIP OUT THIS LIST FOR FUTURE REFERENCE.

APHIS or Plant Lice. Attacks peas, melons and so on. Use nice-tine preparations or kerosone emulsion, two or three applica-tions at intervals of three or four days, reaching under sides

ASPARAGUS BEETLE. Use arsenate of lead on summer follage; out and burn all vines in late summer.

ASTER BEETLE. Use arsenate of lead, strong; or pick by hand in early morning while bugs are still groggy.

CATERPILLARS. Various kinds attack cabbage, tometoes, tobac-co and so on. Use arsenate of lead, paris green or heliebore;

CUCUMBER BEETLE, yellow and black striped. Use tobacco dust as preventative; beetles carry the germs of wilt. Pick by hand the first bugs in early morning. CUTWORMS. Fat, sluggish ground worms, brown with dark stripes,

outting through the stems of many plants, especially when just up or newly set out. Trap under pieces of shingle or flat stones; or scatter about toward nightfall a mash made of one quart of wheat bran, one teaspoonful of paris green or of white arsenate, one teaspoonful of a cheap molasses, mixed with enough water to make a mash. Careful search round a newly out plant early in the morning will usually uncover the marauder near the surface.

FLEA BEETLE. A small, hard shelled, jumping beetle, which punctures leaves of tomatoes, potatoes and seedling plants; Bordeaux candle lead on tomatoes and potatoes.

MEALY SUG. A scale-like insect with cottony covering, attack-ing some flowers. It seldom appears in the vegetable garden. Use kerosene emuision or apply alcohol with a small brush. POTATO BEETLE. Use arsenate of lead or paris green. On egg-

plants use lead only, and pick by hand. ROSE BEETLE. Pick by hand and use strong arsenate of lead. SQUASH BUG. A lively, flat black fellow. Use tobacco dust, or pick by hand to get rid of old bugs and eggs; use kerosene emulsion or nicotine sulphate for the young ones.

SQUASH BORER. Sitt stem near base of plant and destroy borer. Cover wound with fresh soil.

WHITE FLY. Attacks tomatoes, tine crops and some flowers.
Not conspicuous until large numbers have propagated. Use tobacco dust as repellent; spray with nicotine preparations and kerosene emulsion.

MILDEW. Attacks occumbers, melons, lims beans, roses and other flowers. Dust with flowers of sulphate to prevent spread. Use regular Bordeaux lead spray as an effective preventative

BLIGHT, affecting cucumbers, potatoes and other things in various forms. Spray with Bordeaux frequently enough to keep all new growth covered. Dust with sulphur lead preparations. ANTHRACNOSE, "leaf spot" or "rust" attacking beans, toma-toes, celery and melons. Use Bordeaux mixture or summer-strength lime-sulphur or ammoniacal copper-carbonate to avoid stains on foliage of celery.

MAJOR LEAGUE AVERAGES

Compiled by Moreland News Bureau

Necords of players who have played in fifteen names, including May 23, and who have an average 1 220 or better.

American League Pitchers' Records. e. Magee, Boston 26 National League Pitchers' Records. (Including May 28.) Pitches and Chile. G. W.

Warter Lecture State Sta

ing infested parts. Cabbage and onion maggots are best controlled by combating the fly which lays the egs.

For fungus and blight use a preventative or deterrent such as Bordeaux Mixture, or some form of sulphur or copper. There are a number of preparations containing these. To be effective, these sprays must be used before the disease appears and all now growth keep coverd.

By far the most convenient way of protecting your plants with these different things is to use them in the form of sprays, applied with a substantial compressed air sprayer of sultable size for your garden. Avoid a cheap spray, as it will wear out soon and do poor work while it does last. For a small garden it is generally much more convenient to set ready mixed, commercial preparations than to attempt to mix your own sprays. But be guided by the actual analysis of the spray your data for making out such a calendar.

REAL ESTATE AT AUCTION

the use of one of the following materials which can be bought in form ready for use at most seed stores.

Against the insects which eat or chew the leaves use one of the internal polsons such as arsenate of lead, paris green or hellebore, or one of the numerous preparations for spraying or powdering these insects contaming one of these as its chief ingredient.

Arsenate of lead is the most convenient and safe for the beginner.

Against insects which suck and imbibe the plant julces from beneath the surface of leaves or stems, such as the various plant thee or scales, use a contact remedy which poisons or anothers the insects by filling their pores. Various forms of nicotine, kerosens and oils accomplish this purpose. For most purposes nicotine, sulphate has proved the most effective and the most convenient.

For internal enemies, such as the various siugs, maggots and boreas, which work in the seeds of plants, use one of the preparations for application through the soil about the roots or cut out and kill by probing with a wire or cutting and burning infested parts. Cabbage—and onlon maggots are best controlled by combating the fity which lays the egg.

For fungus and blight use a form of the part of the serial purpose of the active ingredient, the cheaper your spray will be. Nicotine preparations contain from a very small per cent, to 40 per cent, to

The next article in this series will be nublished in The Evening World next

May Buy Court Wasa Oleo. ALBANY, May 26.—The Fearon boll, removing the prohibition against the delivery of any coloring matter with a purchase of eleomargarine or other hutter substitute, was signed by Gov. Whitman to-day. When the bill was delated in the Legislature it was pointed out that the prohibitive law was evaded constantly by the our-chaser of a butter substitute making a second visit to the store.

It Works! Try It

Tells how to loosen a sere, tender corn so It lifts out without pain.

Good news spreads rapidly and druggists here are kept busy dispens ing freezone, the other discovery of a Cincinnati man, which is said to

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.Garment Man'frs

Dry Goods, Shoes, Hats, Furnishings, . Allied Industries and their Employees:

> For the past two years and a half you have had good business and made good profits.

> Owing to the scarcity of goods, you have been able to turn into cash stocks of old merchandise.

> Reports from England, France and Germany show that Dry Goods stores and allied industries are making from 25 to 100% more profit than before the War.

> War conditions here are rapidly adjusting themselves. Your profits should be larger than ever. It would therefore be sound judgment on your part to take some of your profit and turn it into a good, safe, conservative invest-

> Twelve years ago lots were sold in the Bronx at the opening of the Subway lines for \$600 to \$1,200 a lot; these same lots are now worth \$5,000 to \$20,000 a lot.

Lots along the new White Plains Extension of the Subway should do the same.

Only this week the Woolworth Co. leased a store for ten years at \$4,500 a year. The lot on which this store is built was offered for sale in 1905 for \$2,500. That's Bronx Real Estate near Transit lines.

Lots along the new White Plains Extension of the Subway bought at the ridiculously low prices at which they will probably sell should make a splendid investment or speculation.

Real Estate is bound to go up along this line.

Unprotected Auction Sale of 1445 Lots on and adjacent to Boston Post Road and White Plains Road

Lorillard Spencer Estate for the Heirs and New York Public Library

Saturday, June 2d, at 10.30 A. M., on property

Take the Bronz Park Subway to 177th Street Station, transfer to the White Plains Extension, get off at Allerton Avenue, walk east to Boston Road and

Titles Insured Free by N. Y. Title & Mortgage Co. Send for Booklet

75% at 5% or 60% at $3\frac{1}{2}\%$ can remain on mortgage

J. Clarence Davies, 149th Street and 3d Ave. Joseph P. Day, 31 Nassau Street Agents and Austioneers. Government Bonds or Subscriptions Taken in Payment of Lots

FANTOMAS

Pierre Souvestre and Marcel Allain? through such a series of baffling, ex- guises, that of Loupart, a bold and -this chain of wild, phantasmagoric, citing and dramatic episodes. desperate Apache and gang leader. kaleidoscopic adventures and unex- The WORLD MAGAZINE intro- that of Dr. Chaleck, a mysterious pected incidents twisting and twining duced the trio to America, first in the physician, and finally as the masked

most clusive and dangerous of all its gripping successor, "The Exploits as Juve's net is closing round him, criminals, an arch-criminal who is of Juve." twenty men at once, and never any In "Fantomas" the protagoniat, ap- pected to take him, almost succeeding ing moment when he strikes?

life from the highest to the lowest, favored lover of his wife, Ludy Bell- and persons, the mystifying, startling Germain and Neuilly to the under- is also strong suspicion that he is the the things you can only get hold of world of Montmartre, and following masked man who robbed the Princess by reading straight through. And it go Impector Juve, the detective. Soma Danidoff, Russian beauty and those are the things which make this Jerome Fandor, the reporter. Time He is condemned to death, but by a of our day.

ling, enthralling creation of porter. No other detective story ever with Lady Beltham.

recognisable man except for the fleet- pearing first as M. Etienne flambert, in his attempt to destroy all the a wealthy man of sixty, escapes im- pursuers together, and once again is His trail, marked always by deeds pitcation in the mysterious murder of free. of unimaginable violence and strange- the Marquise de Langrune only to be That is the skeleton of the plat. ness and terror, winds in an out apprehended later as the young man But the way it is worked out, the through all Paris and touches all its Gurn, murderer of Lord Beltham and vivid resitty of the strange scenes from the salons of the Faubourg St. ham, the English great lady. There turns and twists of events-those are and his young friend and comrade, heiress, in the bathroom of her hotel emphatically the super-detective story

To you know this unique, start. detective. Pander the inspired re- of execution, manages to disappear the two French masters boasted three such original and strik- In "The Exploits of Juve," Fantomas

of mystery-story writing ing characters, or followed them again must be hunted under several about the baffling personality of the great serial "Fantomas" and again in and cloaked man in black who, just blows up the house where they ex-

after time they all but have their ruse which involves an escape from If you really know PANTOMAS. hands on the deadly quarry, only to prison, the murderer of old Dollon, no need to say another word. If you have him slip between their fingers.

That is a wonderful trio. Protons. That is a wonderful trio—Pantomas and the substitution of Valgrand, a acquainted with it. See Sunday World the supreme criminal, Juve the super-famous actor, for himself at the place Magazifie to-morrow.

and the later of t